



Certificate of Compliance

Certificate:	2241432	Master Contract:	247622
Project:	80281843	Date Issued:	2026-06-02
Issued to:	Fluenta AS Haraldsgate 90 PO Box 420 Haugesund, Rogaland N-5501 Norway	Issued by:	<i>Sorin Tat</i> Sorin Tat
Attention: Krzysztof Opoka			

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



PRODUCTS

Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Ex d e [ia Ga] IIC Gb, T6 at $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$, IP66:

Field Computer Model FGM160 (AEx /Ex d e [ia Ga] IIC) input rated 24VDC/0.47A .Intrinsically safe when installed per drawing 77.120.509.

Entity Parameters:

Parameter	Transmitter	Ultrasonic Sensors
Uo or Voc	27.3V	11.7V
Io or Isc	90mA	1.46A
Po	0.62W	1.76W



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Lo or La	3.5mH	0.01μH
Co or Ca	88nF	1.54μF
Lo/Ro	58μH/Ohm	8.3μH/Ohm

Class 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

Class I, Zone 1, AEx d e [ia Ga] IIC Gb, T6 at $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$, IP66:

Field Computer Model FGM160 (AEx /Ex d e [ia Ga] IIC) input rated 24VDC/0.47A Intrinsically safe when installed per drawing 77.120.509.

Entity Parameters:

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APPLICABLE REQUIREMENTS

Standards Used	Description
CAN/CSA C22.2 No. 61010-1-04	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
CAN/CSA C22.2 No. 60079-0:11 - Second Edition	Explosive atmospheres — Part 0: Equipment — General requirements
CAN/CSA C22.2 No. 60079-1:07 - First Edition	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d"
CAN/CSA-E60079-7-03	CAN/CSA-E60079-7-03 - Electrical Apparatus for Explosive Gas Atmospheres - Part 7: Increased Safety "e"
UL 61010-1, 2nd Edition (Rev Jul 12, 2004)	UL Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements



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Standards Used	Description
ANSI/UL 60079-0:2013 - Sixth Edition	UL Standard for Safety - Explosive Atmospheres - Part 0: Equipment - General Requirements
ANSI /UL 60079-1:2005 - Fifth Edition	UL Standard for Safety Electrical Apparatus for Explosive Gas Atmospheres – Part 1: Flameproof Enclosures "d"
ANSI/UL 60079-7:2008 - Fourth Edition	Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety 'e'
ANSI/UL 60079-11:2013 - Sixth Edition	Explosive Atmospheres - Part 11: Equipment Protection By Intrinsic Safety 'I'



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Notes:

Products certified under Class(es) C225804, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80281843	2026-06-02	Update to Report 2241432 to address (FC# 258048) FIR dated July 28, 2025, drawing updates.
70149022	2017-08-01	Update to report 2241432 for alternate window material and ultrasonic sensor entity parameters based on IECEx addendum.
70036147	2015-09-14	Update to Report 2241432 to revise the edition of IEC 60079-0 and IEC 60079-11 standards to latest edition. X-marked due to Ultrasonic sensor head is made of titanium, avoid impact or friction. Included 1Pair Draka cable instead of 4 pair
2680702	2013-12-05	Update to include address change and replace cable gland with type 501/421
2513737	2012-04-03	Update of report to include revised drawings and Ultrasonic sensor cable up to 50 meters
2472859	2011-11-14	Update of report to cover Fieldbus I/O.
2424162	2011-07-26	Update of report to include Fluenta Ex-d and Ex-e enclosures, TFS Sensor with Lemo connectors and additional fillings for TFS sensor with cable
2241432	2010-05-06	Fluenta Flare Gas Meter System Ex/AEx d e[ia] IIC & Sensors as Ex/AEx ia IIC based on IEC ExTRs.